Cumulative Index for 1977

Table of Contents for January 1977

Editorial 3

The Energy Crisis Today: A Perspective 5
WILBUR S. SMITH

Energy: Views of a State Department of Transportation . . . 21
E. WILSON CAMPBELL

Commuter Van Programs—An Assessment 32
GERALD K. MILLER AND MELINDA A. GREEN

Assessing Demand for Ride-Sharing Services 57
JOSEPH J. PETROCELLI AND THOMAS L. BELL

Data Collection and Analysis Techniques for Behavioral Transportation Planning 75
RICARDO DOBSON

Applications of New Systems to Urban Transportation . . . 95
ROBERT C. RAND AND WILLIAM AVERY

The Potential for Transit Standards 117
THOMAS B. DEEN

The Future of the Bicycle as a Mode of Transportation in the United States 137
CHARLES F. FLOYD

Bicycles: A Need for Comprehensive Regulation 153
BENJAMIN N. HENSZEY

Table of Contents for April 1977

Editorial 173

Report on Joint Conference Eno Foundation Board of Directors and Board of Consultants, October 13 and 14, 1976 175

Part I—Transportation Systems of the Future
J. R. COUPAL, A. H. HALL, J. L. MCLUCAS, R. E. PATRICELLI, W. S. RITCHIE, D. F. KARMEIER, M. D. ROBESON, R. S. HAMILTON, J. P. BASS, L. J. GAMBACCINI

Part II—The Economics of Environmental Protection in Transportation
D. J. HANSON, C. P. FURBER, C. F. VON KANN, R. M. COULTAS, J. M. MCCABE, J. F. SHUGRUE

Urban Transportation Financing: The Phoenix Program . 275
EDWARD M. HALL

Forecasting Patronage on New Transit Routes 287
WALTER CHERWONY AND LEWIS POLIN

Social-Impact Assessment Techniques and Their Application to Transportation Decisions . . . 297
MARTIN STEIN

Technology and Decision Making in the Air Transport Industry 317
DENIS SCHIFFEL

Local and Commuter Airlines in the United States . . . 333
JONATHAN D. MAYER

Reorienting Transportation Planning Rationale in Developing Countries 351
RIAD G. MAHAYNI

Table of Contents for July 1977

Editorial 369

Highway Engineering and Traffic Safety 371
DAVID M. BALDWIN

Traffic Generation and Assignment Models 385
KURT LEIBBRAND

Some Economic and Environmental Effects of Highways in Japan and the United States 399
FLOYD I. THIEL AND ANTHONY KANE

The Issues in Designing an ad Valorum Gasoline Tax . . 421
DONALD R. EPLEY

Vehicle Size and Weight Aspects of Motor Carrier Productivity 433
GRANT M. DAVIS AND JOHN E. DILLARD, JR.

Negotiations for Local Rail Service Continuation: The Major Issues 455
WILLIAM R. BLACK

Analysis of Preference for Mixed-Mode Transit 471
GREGORY C. NICOLAIDIS AND CRAIG A. MURAWSKI

Free Transit for Senior Citizens in Pennsylvania 497
LESTER A. HOEL, WILLIAM W. MILLAR, AND ERVIN S. ROSZNER

Bus Passenger Surveys in Small Cities 515
HIMMAT S. CHADDA AND THOMAS E. MULINAZZI

Table of Contents for October 1977

Editorial 531

Habit Check of Seeing and Responding in Driving . . . 533
JOHN J. CUMMINGS

Identification of Hazardous Locations on City Streets . . 549
CHARLES V. ZEGEER AND ROBERT C. DEEN

The Automobile Society: Urban Design and Environment . 571
JAMES CORNEHLS

Traffic as a Function of Supply and Demand 591
ROBERT L. MORRIS

Travel Behavior Under Increases in Gasoline Prices . . . 605
THOMAS M. CORSI AND MILTON E. HARVEY

Air Quality Control Strategies: The Public Viewpoint . . 625
FELIX C. OBINANI

Public Participation in Transportation Planning . . . 639
BARRY WELLMAN

Busways in New Towns 657
SIGURD GRAVA

Socio-Economic Research on Automated-Guideway Transit . 673
STANLEY P. E. PRICE, HOWARD D. EVOY, AND
GEORGE E. MOUCHAHOIR